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ART 34 AMDT.

CLAIMS

1. A fluid-dispenser valve (10) comprising a valve body (11), and a valve member (12) slidable in said valve body (11) between a rest position and a dispensing position, said valve (10) being characterized in that it includes temperature regulator means (12, 20) for limiting cooling of the valve member (12) while the fluid is being dispensed.
2. A valve according to claim 1, in which said temperature regulator means comprise a valve member (12) made, at least in part, of a thermally-conductive material.
3. A valve according to claim 2, in which said valve member (12) includes an inner portion, slidable inside the valve body (11), and made of a first material, and an outer portion, extending, at least in part, outside the valve body, and made of a second material that is thermally conductive, said inner and outer portions being secured to each other, in particular by overmolding.
4. A valve according to any preceding claim, in which said temperature regulator means comprise a head (30) co-operating with said valve member (12), said head (30) being made of a thermally-conductive material.
5. A valve according to any preceding claim, in which said temperature regulator means comprise cooling plates (20) co-operating with said valve member (12).
6. A valve according to claim 5, in which said plates (20) are disposed around said valve member (12).
7. A valve according to claim 5, in which said plates (20) are disposed in a head (30) co-operating with said valve member (12).

8. A valve according to any one of claims 5 to 7, in which said plates (20) extend approximately parallel to one another, and substantially transversely to the central axis of said valve member (12).

9. A valve according to any one of claims 5 to 8, in which said plates (20) are made of a thermally-conductive material.

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10. A valve according to claim 2, 3, 4, or 9, in which said thermally-conductive material is a metal, in particular aluminum.

11. A valve according to any preceding claim, operating with a propellant gas so as to dispense the fluid.

12. A valve according to claim 11, in which said propellant gas comprises gases of the HFA-134a or HFA-227 type.

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13. A valve according to any preceding claim, in which said valve (10) is a metering valve, said valve body (11) including a valve chamber (15) defining a volume of fluid to be dispensed each time the valve (10) is actuated.

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14. A valve according to claim 13, in which said volume of fluid dispensed at each actuation is greater than 500 μ l.

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15. A fluid dispenser device comprising a fluid reservoir (1), said device being characterized in that it further comprises a valve (10) according to any one of claims 1 to 14.

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16. A device according to claim 15, including a dispenser head (30) mounted on the valve member (12) of said valve (10).

- 5 17. A device according to claim 16, in which said dispenser head (30), and in particular the portion (31) co-operating with the valve member (12), includes said temperature regulator means (20).